

FIG. 1

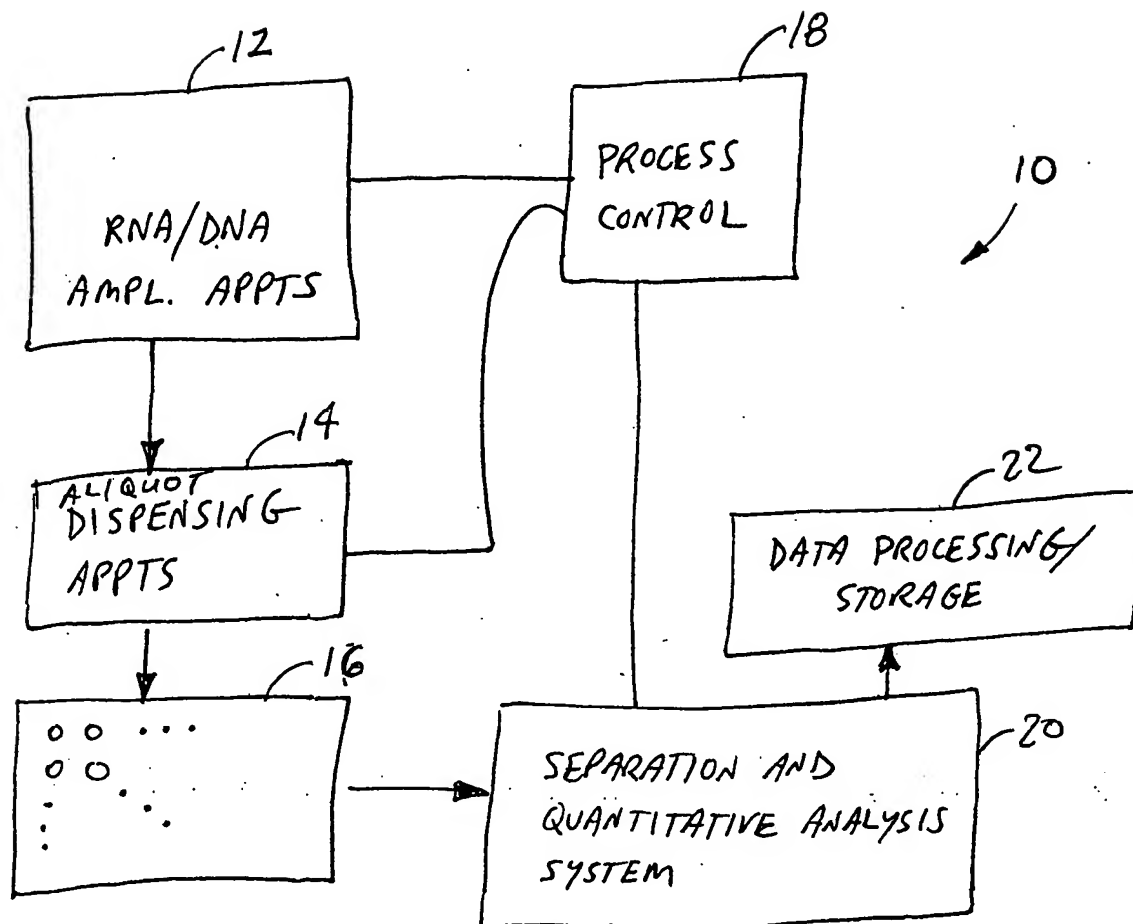
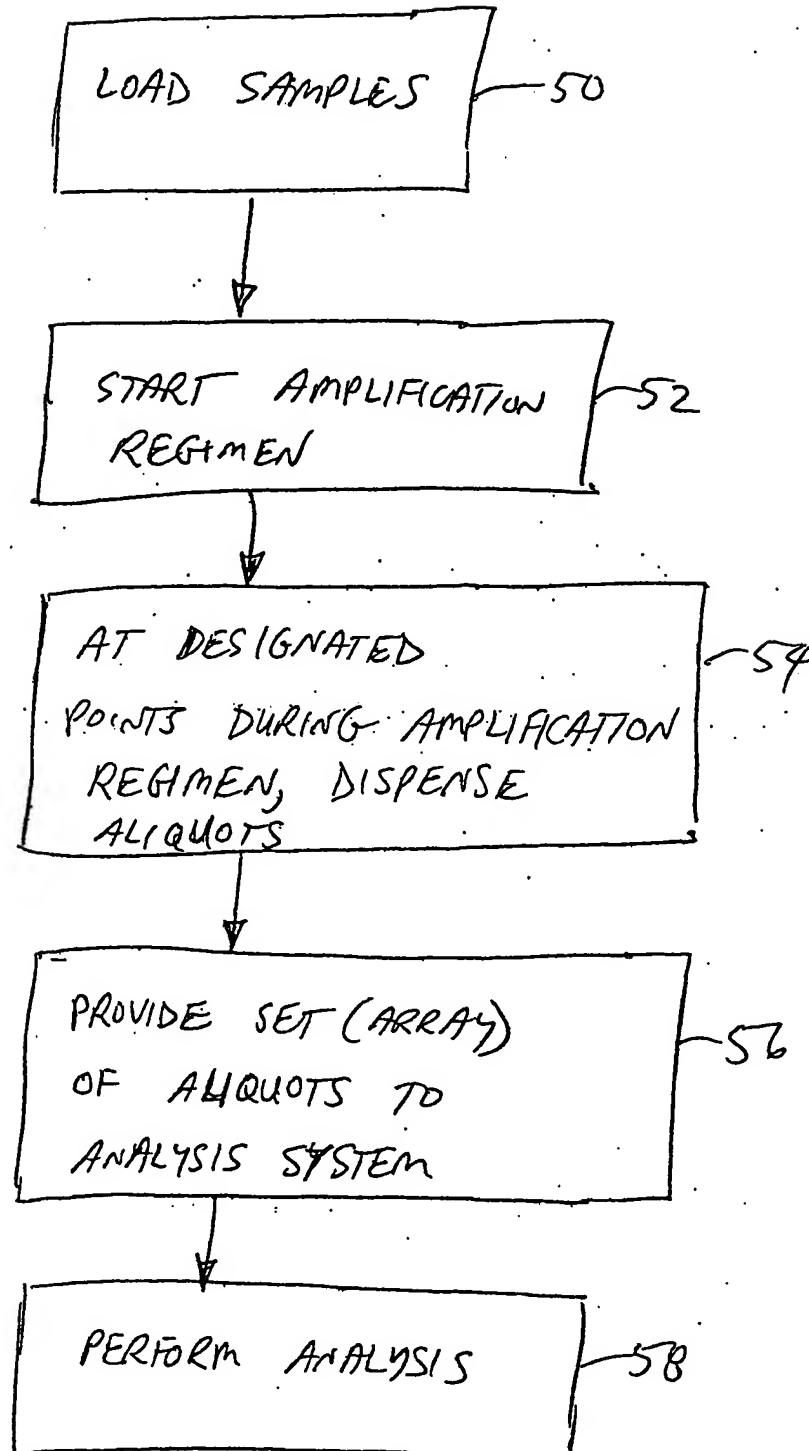


FIG. 2



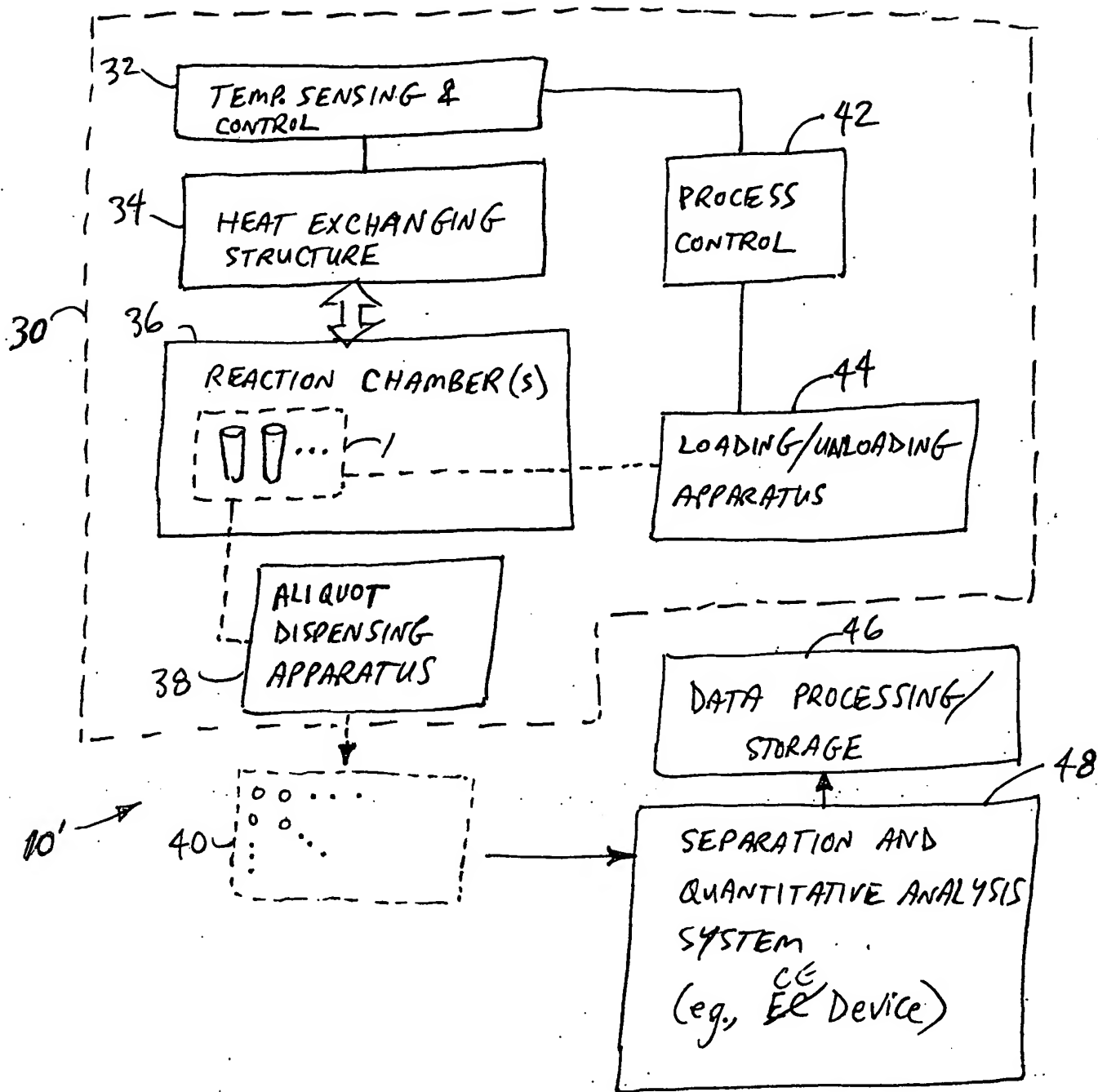


FIG. 3

FIGURE 4

TARGET 1

TARGET 2

1) ANNEAL AND EXTEND DOWNSTREAM TAGGED PRIMERS

_____ a'

_____ b'

← _____ a [T1]

← _____ b [T1]

2) ANNEAL AND EXTEND UPSTREAM TAGGED PRIMERS

[T2] c _____ →

[T2] d _____ →

_____ a [T1]

_____ b [T1]

3) REPEAT STEPS 1 & 2

[T2] c _____ [T1']

[T2] d _____ [T1']

← _____ a [T1]

← _____ b [T1]

AND

AND

[T2] c _____ →

[T2] d _____ →

[T2'] _____ a [T1]

[T2'] _____ b [T1]

RESULT:

[T2] c _____ a' [T1']

[T2] d _____ b' [T1']

[T2'] c' _____ a [T1]

[T2'] d' _____ b [T1]

4) REMOVE PRIMERS

5) AMPLIFY WITH TAG SPECIFIC PRIMERS T1, T2 (T1 LABELED)

TARGET 1

TARGET 2

T2 _____ →

T2 _____ →

[T2'] _____ [T1]

[T2'] _____ [T1]

[T2] _____ [T1']

[T2] _____ [T1']

← _____ T1 ⊗

← _____ T1 ⊗

6) SEPARATE

7) DETECT LABEL ON SEPARATED SPECIES

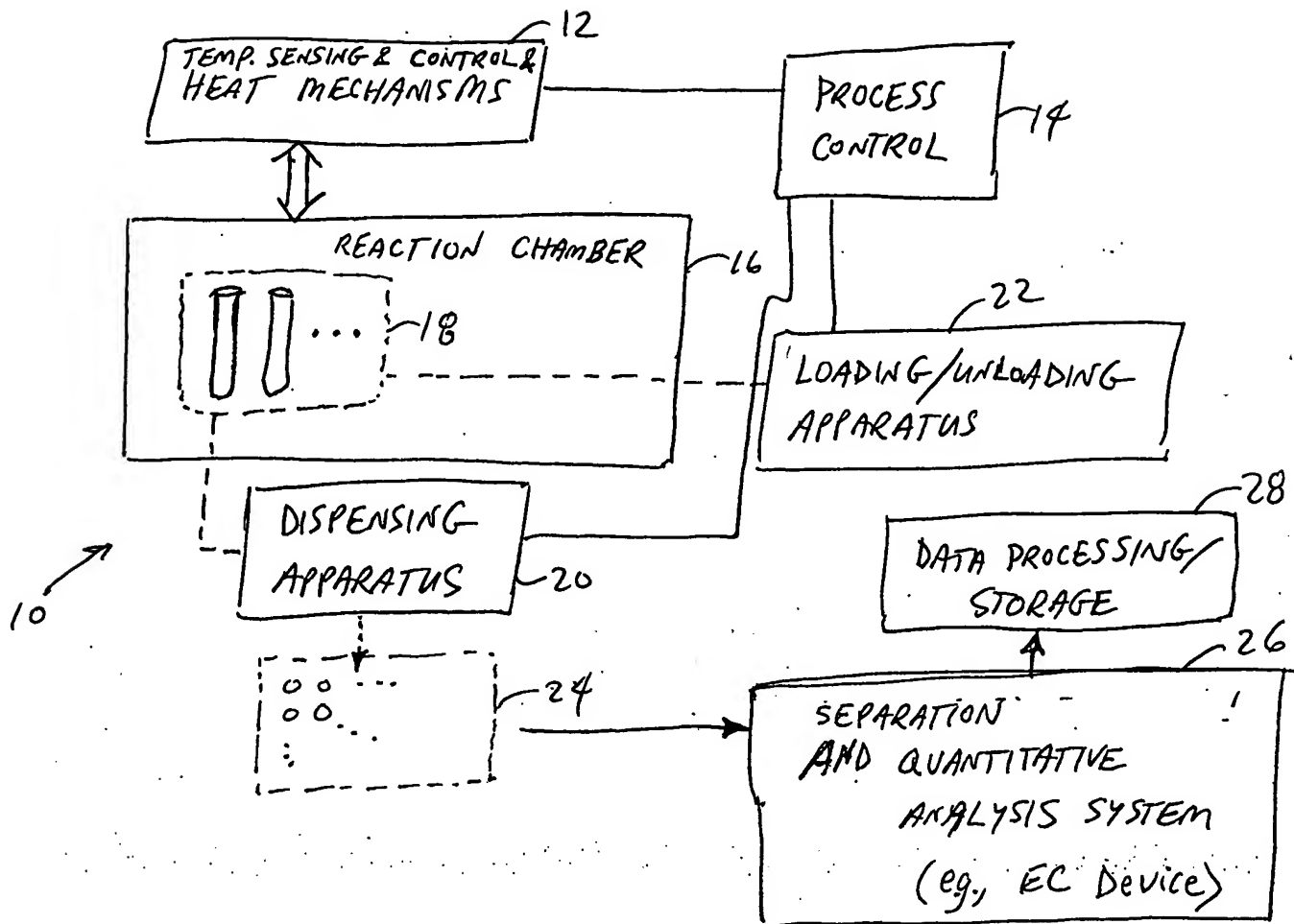


FIG 5

FIG. 6

